

SUBSTITUTE SPECIFICATION

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ABSTRACT OF THE DISCLOSURE

Codec circuit having a programmable digital bandpass filter. A codec circuit having a programmable digital bandpass filter is disclosed. The bandpass filter can match the filter characteristics of the codec circuit to a transmitted pulse code modulation (PCM) signal. The codec circuit can include at least one programmable digital high-pass filter connected in series to at least one programmable digital low-pass filter. The setting filter characteristics for the programmable digital high-pass and low-pass filters can each be set by means of a signal identification device for identifying a PCM signal transmitted through the codec circuit. The filters can be set as a function of the transmitted PCM signal in order to vary a bandpass filter characteristic for the programmable digital bandpass filter.